# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

## BYATARAYANAPURA DIVISION

## BYATARAYANAPURA SUB DIVISOIN

| | | |
|---|---|---|
| Name of the Work | : | Desilting of drains and Construction of Tank and providing pumpset for De-Watering in Flood Areas in ward no 06, Byatarayanapura Sub Division |

**EMB**
**Pre-Measurements**

Job Code : 006-23-000002

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# BRUHATH BANGALORE MAHANAGARAPALIKE
## YELAHANKA ZONE
## 1ST AND FINAL BILL

**Name of work:** Desilting of drains and Construction of Tank and providing pumpset for De-Watering in Flood Areas in ward no 06, Byatarayanapura Sub Division
**Work Order No:** BBMP/EE/BTP/WO/72/2022-23 dt: 18.11.2022
**JOB NUMBER:** 006-23-000002
**Estimate Cost:** 40.00 Lakhs.
**As No:** AS/CE(YNK)/15/2022-231 Dt: 20.08.2022
**Ts No** :TS/CE(YNK)/53/2022-231 Dt: 20.08.2022
**Name of Contractor :** Sri. Dhananjaya M.L

| Sl No | Description of Item | Unit | No | L | B | D | QTY |
|---|---|---|---|---|---|---|---|
| 1 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.1) | | | | | | |
| a | **For construction of Dewatering sump** | | | | | | |
| | Fatima Layout | cum | 1 | 4.00 | 7.25 | 2.50 | 72.50 |
| | Defence Layout-2nd cross | | 1 | 4.00 | 7.00 | 2.50 | 70.00 |
| | Dynasty layout - 2nd main | | 1 | 4.25 | 7.00 | 2.50 | 74.38 |
| | Inlets | | 3 | 2.00 | 2.00 | 1.45 | 17.40 |
| b | **RCC drain** | | | | | | |
| | Fatima Layout | Cum | 1 | 11.70 | 1.10 | 1.00 | 12.92 |
| | | | 1 | 10.00 | 1.10 | 1.00 | 11.04 |
| | | | 1 | 25.30 | 1.10 | 1.00 | 27.94 |
| | | | | 2.00 | 1.10 | 1.00 | 8.83 |
| | Defence Layout-2nd cross | | 1 | 12.50 | 1.10 | 1.00 | 13.80 |
| | Dynasty layout - 2nd main | | 1 | 2.50 | 1.10 | 1.00 | 2.76 |
| | | | 1 | 30.00 | 1.10 | 1.00 | 33.12 |
| | | | 1 | 30.00 | 1.10 | 1.00 | 33.12 |
| | | | 1 | 19.50 | 1.10 | 1.00 | 21.53 |
| c | **For culverts** | | | | | | |
| | Fatima layout | Cum | 2 | 6.00 | 1.65 | 1.00 | 19.80 |
| | Defence Layout-2nd cross | | 1 | 7.50 | 1.65 | 1.00 | 12.38 |
| | | | | | | | |
| d | **For drain desilting** | Cum | 2 | 140.00 | 0.60 | 0.35 | 58.80 |
| | **Fatima layout** | | 3*2 | 30.00 | 0.60 | 0.35 | 37.80 |
| | | | 2*1 | 20.00 | 0.60 | 0.35 | 8.40 |
| | **removing debries fatima layout** | | 2 | 30.00 | 1.20 | 0.15 | 10.80 |
| | **Defence layout** | | 3*2 | 30.00 | 0.55 | 0.35 | 34.65 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2*1 | 15.00 | 0.55 | 0.35 | 5.78 |
| | **Dynasty layout** | | 3*2 | 30.00 | 0.60 | 0.45 | 48.60 |
| | | | 2*1 | 18.00 | 0.60 | 0.40 | 8.64 |
| | **removing debries** | | 2 | 30.00 | 1.30 | 0.25 | 19.50 |
| | | | 2 | 29.00 | 1.20 | 0.20 | 13.92 |
| | | | | | | **Total qty** | **678.40** |
| | | | | | | **Ltd to** | **674.26** |

96.44

TC-5548

22-11-2022

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | KSRB 2.8 : Providing and Filling in foundation with **granite / trap** broken metal 10 mm and down size with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 6.4) | | | | | | |
| | For Dewatering Sump tank | | | | | | |
| | Fatima Layout | cum | 1 | 4.00 | 7.25 | 0.30 | 8.70 |
| | Defence Layout-2nd cross | | 1 | 4.00 | 7.00 | 0.30 | 8.40 |
| | Dynasty layout - 2nd main | | 1 | 4.25 | 7.00 | 0.35 | 10.41 |
| | | | | | | **Total qty** | 27.51 |
| | | | | | | **Ltd to** | **26.82** |

23-11-2022

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | Providing and laying in position **plain cement concrete** for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix **1:3:6 (M10) Using 40** mm nominal size graded crushed coarse aggregates. Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3) | | | | | | |
| a | For Dewatering Sump tank | | | | | | |
| | Fathima Layout | Cum | 1 | 4.00 | 7.25 | 0.20 | 5.80 |
| | Defence Layout | | 1 | 4.00 | 7.00 | 0.20 | 5.60 |
| | Dynasty Layout | | 1 | 4.25 | 7.00 | 0.20 | 5.95 |
| | Inlet | | 3 | 1.70 | 1.70 | 0.15 | 1.30 |
| b | **For RCC Drain** | | | | | | |
| | Fathima Layout | Cum | 1 | 11.70 | 1.00 | 0.15 | 1.76 |
| | | | 1 | 10.00 | 1.00 | 0.15 | 1.50 |
| | | | 1 | 25.30 | 1.00 | 0.15 | 3.80 |
| | | | 2.00 | 1.00 | 0.15 | 1.20 | |
| | Defence Layout | | 12.50 | 1.10 | 0.15 | 2.06 | |
| | Dynasty Layout | | 2.50 | 1.10 | 0.15 | 0.41 | |
| | | | 1 | 30.00 | 1.10 | 0.15 | 4.95 |
| | | | 1 | 30.00 | 1.10 | 0.15 | 4.95 |
| | | | 1 | 19.50 | 1.10 | 0.15 | 3.20 |
| c | **For Culverts** | | | | | | |
| | Fathima Layout | Cum | 2 | 6.00 | 1.65 | 0.15 | 2.97 |

45.44



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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Defence Layout | | | 1 | 7.50 | 1.65 | 0.15 | 1.86 |
| | | | | | | Total qty | 47.30 |
| | | | | | | Limited to | 47.17 |

26.11.2022

Assistant Engineer

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Ward No. 06

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
Byatarayanapura Sub Division
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

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|---|---|---|---|---|---|---|---|
| 8 | Providing Thermo-Mechanically **Treated bars of grade Fe-500D or** more Steel reinforcement for R.C.C. work | | | | | | |
| | For Sump Roof | mtr | | | | | |
| | **12 mm dia bars** | | 70x2 | 3.50 | | | 490.00 |
| | | | 65x2 | 3.50 | | | 455.00 |
| | | | 65x2 | 3.50 | | | 455.00 |
| | concealed beam 12 mm dia bars | | 6*3 | 3.50 | | | 42.00 |
| | distribution bars | | 2*35 | 6.95 | | | 486.50 |
| | | | 2*35 | 6.50 | | | 455.00 |
| | | | 2*35 | **6.50** | | | 455.00 |
| | | | | | | | **2838.50** |
| | | | | wt @ 0.89 kg/mtr | | | 2526.27 |
| | **8 mm rings** | | 28*3 | **0.45** | | | **37.80** |
| | | | | wt @ 0.39 kg/mtr | | | 96.92 |
| | | | | | | **Total Qty** | **2623.19** |
| | | | | | | **Limited to** | **2513.79** |

30.11.2022

Assistant Engineer

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
Byatarayanapura Sub Division
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

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|---|---|---|---|---|---|---|---|
| 9 | Supplying, Fitting and Placing **TMT Fe550 bar Reinforcement** in sub-structure complete as per Drawing and | | | | | | |
| | **RCC Drain** | | | | | | |
| | 10 mm dia bars | | 78 | 2 | 2.20 | | 343.20 |
| | | | 67 | 2 | 2.20 | | 294.80 |
| | | | 169 | 2 | 2.20 | | 743.60 |
| | | | 53 | 2 | 2.20 | | 233.20 |
| | | | 83 | 2 | 2.20 | | 365.20 |
| | | | 17 | 2 | 2.20 | | 74.80 |
| | | | 200 | 2 | 2.20 | | 880.00 |
| | | | 200 | 2 | 2.20 | | 880.00 |
| | | | 130 | 2 | 2.20 | | 572.00 |
| | | | | | | | **4386.80** |
| | | | | | **wt** | **0.62** | **2719.82** |
| | 8 mm dia bars | | 12 | 11.70 | | | 140.40 |
| | | | 12 | 10.00 | | | 120.00 |
| | | | 12 | 25.30 | | | 303.60 |
| | | | 12 | 12.50 | | | 150.00 |
| | | | 12 | 2.50 | | | 30.00 |
| | | | 12 | 30.00 | | | 360.00 |
| | | | 12 | 30.00 | | | 360.00 |
| | | | 12 | 19.50 | | | 234.00 |
| | | | | | | | **1698.00** |
| | | | | | **wt** | **0.39** | **662.22** |
| | **for Culverts** | | | | | | |
| | 12 mm bars | | 40 | 2 | 2.30 | | 184.00 |
| | | | 40 | 2 | 2.30 | | 184.00 |



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|---|---|---|---|---|---|---|
| | | 50 | 2 | 2.30 | | 230.00 |
| | | | | | | 598.00 |
| | | | | wt | 0.89 | 532.22 |
| 10 mm bars | | 12 | 6.00 | | | 72.00 |
| | | 12 | 6.00 | | | 72.00 |
| | | 12 | 7.50 | | | 90.00 |
| | | | | | | 234.00 |
| | | | | wt | 0.62 | 145.08 |
| | | Total wt in kg | | | | 4059.34 |
| | | | | Tota Qty in Tonne | | 4.06 |
| | | | | Limited to | | 3.860 |

26.11.2022

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
Ward No. 06
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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